

**SECRET****PRIORITY**

1970 JAN 19 19 24Z

P 191838Z JAN 70  
FM NPIC WASNDC  
TO RCH0AAA/SAC OFFUTT AFB OMAHA NEBRASKA  
RCH0AAA/544TH ARTW, OFFUTT AFB OMAHA NEBRASKA  
RUHHABA/548TH RTG, HICKAM AFB, HAWAII  
RUCRJCS/DIA  
RUEFHQA/HQ USAF  
RUKLAAA/480TH RTG, LANGLEY AFB, VIRGINIA  
RUVRRIA/WARNER ROBINS AFB, GA  
BT

**S E C R E T.** CITE NPIC 7811  
HQ USAF FOR AFIGOS, AFXOTR, AFNICAD, AFRDRM  
SAC FOR DIRI, DOSR, DISD  
DIA FOR DIAXX-2

WARNER ROBINS AFB FOR WRAMA/WRNWA

SUBJECT: EVALUATION OF GIANT NAIL MISSION T-140

1. IMAGE QUALITY: THE OVERALL IMAGE QUALITY OF THIS MISSION RANGES FROM FAIR TO GOOD. THE FWD LOOKING IMAGERY IS GENERALLY OF BETTER QUALITY THAN THE AFT LOOKING IMAGERY. IMAGE SMEAR IN THE SCAN DIRECTION WAS NOTED SEVERAL TIMES ON THE AFT LOOKING

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IMAGERY. IN ADDITION TO THE DOUBLE IMAGERY AT 57 DEGREES LEFT AND RIGHT ON THE AFT LOOKING IMAGERY, THERE IS DOUBLE IMAGERY PRESENT AT ZERO AND 30 DEGREES LEFT AND RIGHT. THE SEVERITY OF THIS DOUBLE IMAGERY IS NOT AS GREAT AS THAT AT 57 DEGREES. INTERPRETATION SUITABILITY RANGES FROM FAIR TO GOOD. CLOUD COVER OBSCURES APPROXIMATELY 25 PERCENT OF THE ENTIRE MISSION.

2. MISSION DATA:

- A. T-140, 21 NOV 1969
- B. IRIS II, UNK
- C. A/C NO: 340
- D. STEREO
- E. T/O: NOT AVAILABLE: C/ON: NOT AVAILABLE
- F. 3404, W-23A
- G. 548TH RTG
- H. AVG GAMMA: NOT AVAILABLE
- I. SLIT: .085 INCH

3. ORIGINAL NEGATIVE:

- A. EXPOSURE: ADEQUATELY EXPOSED
- B. DENSITY AND CONTRAST: GENERALLY MEDIUM.
- C. IMAGED DEGRADATIONS: ON THE FWD FRAMES, THERE ARE

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SUBTLE FOGGED AREAS IN THE DATA CHAMBER AREA AND ASSOCIATED BAND OF FOG IS LOCATED 3.5 INCHES FROM THE TAKE-UP END. BOTH OF THESE DEGRADATIONS APPEAR TO BE THE RESULT OF LIGHT LEAKING THROUGH THE SLIT DURING THE NON-EXPOSURE PORTION OF THE CYCLE. THERE ARE SEVERAL INSTANCES OF STATIC DISCHARGES WHICH APPEAR AS SEMI-CIRCULAR FOG PATTERNS. THESE PATTERNS ARE LOCATED IN

**SECRET**

OUT 6 9171

DISTRIBUTION	
CY	OFFICE
1	FILE
	CABLE SEC.
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2.3	TSSC/APSO
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	RFD
	REPRO
	AID
	IEG
	IEG/OD
	SCIEN
	WEST
	EAST
	M&S
	IEG/PHD
4	IAS
	DIA-XX4
	SPAD
	DIA-AP
	25X1
	CMX

ADVANCE CY  
SANITIZED  
WITH TEXT

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

THE IMAGE FORMAT NEAR THE TITLED EDGE. THERE ARE FOG PATTERNS OF VARIOUS SIZES AND SHAPES ON THE FIRST AND NEXT TO LAST FRAME OF THE MISSION.

D. PHYSICAL DEGRADATIONS: NUMEROUS EMULSION PICKS AND SCRATCHES ARE PRESENT THROUGHOUT THE MISSION. THERE ARE THREE ULTRA-SONIC SPLICES ON THIS MISSION.

E. DATA RECORDING EQUIPMENT: FUNCTIONED PROPERLY WITH THE EXCEPTION OF A DOUBLE DATA CHAMBER EXPOSURE FOR FRAME 44.

F. OTHER: THE LAST TITLED FRAME IS 1222. THE MATERIAL WAS NOT TITLED ACCORDING TO ESTABLISHED PROCEDURES.

4. POSITIVES: ADEQUATE FOR INTERPRETATION PURPOSES.

EOM

GP-1

S E C R E T

END OF MESSAGE

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